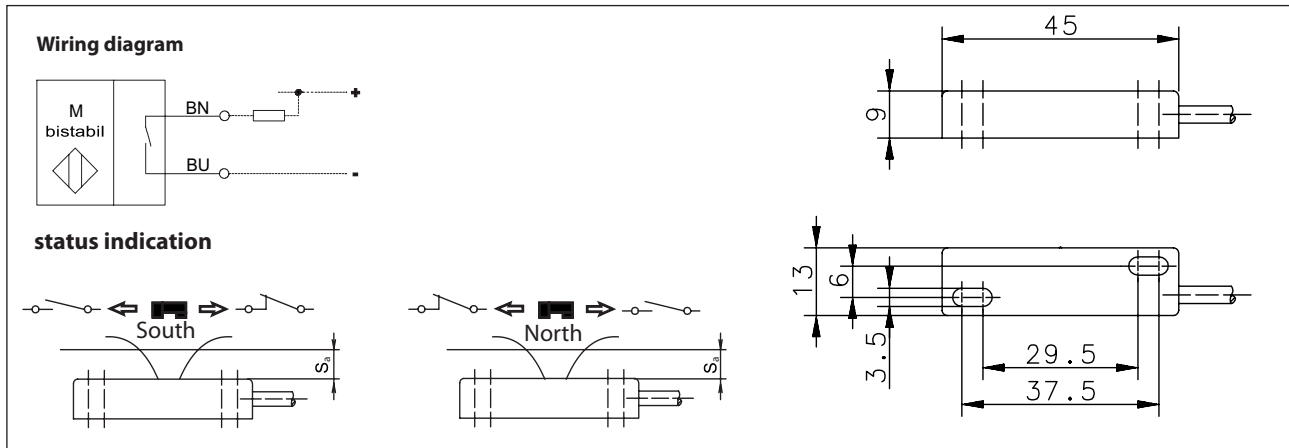


## Magnetic Sensor Series E45

Description **MEK-E45NB/M03-2,5**

Article number **6370801213**



Technical data	
Switching function	bistable "N.O.-N.C."
Switching element	GMR typ. 3 mT
Reference magnet	TK-62 N/S (6301262039)
Assured operating distance	$S_a$ 2 ... 18 mm
Repeat accuracy	R $\pm 0,1$ mm, under same geometrical conditions at the same temperature
Time delay before availability	$t_v$ max. 1 s
Utilization category	DC-13
Frequency of operating cycles	f 20 Hz
Short-circuit protection	no
False polarity protection	yes

Electrical data	
Operational voltage range	$U_B$ 10-60 V DC
Voltage drop	$U_d$ $\leq 3$ V
Rated operational current	$I_e$ 200 mA
Minimum operating current	$I_m$ $\geq 2$ mA
No-load supply current	$I_o$ $\leq 1$ mA
Protection class acc. to EN IEC 61558	III (safety extra-low voltage)

Mechanical data	
Enclosure	PA6.6, black
Temperature range	- 5 °C ... + 70 °C (cable not fixed mounted) - 25 °C ... + 70 °C (cable fixed mounted)
Shock and Swing	acc. to EN IEC 60947-5-2
Protection type	IP 67 acc. to EN 60529
Termination type	Cable 2 x 0,14 mm <sup>2</sup> x 2,5 m $\pm 5$ %, PVC - Outer jacket, black
Assembly position	optional (assembly on ferromagnetic material means reduction of switch distance)

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Technical modifications and errors excepted.

The technical datasheet corresponds to the technical state as of 2020-12-10 and will not be removed in case of changes.

<b>Standards</b>
EN 60947-5-2
<b>EU Conformity</b>
acc. to directive 2014/30/EU (EMC-Directive)